eurofins | Eaton Analytical

LABORATORY REPORT

If you have any questions concerning this report, please do not hesitate to call us at (800) 332-4345 or (574) 233-4777.

STATE CERTIFICATION LIST

State	Certification	State	Certification
Alabama	40700	Missouri	880
Alaska	IN00035	Montana	CERT0026
Arizona	AZ0432	Nebraska	NE-OS-05-04
Arkansas	IN00035	Nevada	IN00035
California	2920	New Hampshire*	2124
Colorado	IN00035	New Jersey*	IN598
Colorado Radiochemistry	IN00035	New Mexico	IN00035
Connecticut	PH-0132	New York*	11398
Delaware	IN035	North Carolina	18700
Florida*	E87775	North Dakota	R-035
Georgia	929	Ohio	87775
Hawaii	IN035	Oklahoma	D9508
Idaho	IN00035	Oregon (Primary AB)*	4074
Illinois*	200001	Pennsylvania*	68-00466
Illinois Microbiology	17767	Puerto Rico	IN00035
Illinois Radiochemistry	IN00035	Rhode Island	LAO00343
Indiana Chemistry	C-71-01	South Carolina	95005
Indiana Microbiology	M-76-07	South Dakota	IN00035
Iowa	098	Tennessee	TN02973
Kansas*	E-10233	Texas*	T104704187-18-12
Kentucky	90056	Texas/TCEQ	TX207
Louisiana*	LA014	Utah*	IN00035
Maine	IN00035	Vermont	VT-8775
Maryland	209	Virginia*	460275
Massachusetts	M-IN035	Washington	C837
Michigan	9926	West Virginia	9927 C
Minnesota*	018-999-338	Wisconsin	999766900
Mississippi	IN035	Wyoming	IN035
EPA	IN00035		

*NELAP/TNI Recognized Accreditation Bodies

Revision date: 03/14/2019

eurofins | Eaton Analytical

110 South Hill Street
South Bend, IN 46617
Tel: (574) 233-4777
Fax: (574) 233-8207
1 800 332 4345

Laboratory Report

Client: Cary/Apex WTP

Attn: Rachel Monschein
1400 Wimberly Road
Apex, NC 27523

Report: 450558
Priority: Standard Written
Status: Final
PWS ID: NC0392020

Sample Information

EEA ID #	Client ID	Method	Collected Date / Time	Collected By:	Received Date / Time
4277766	Raw Water Intake (Wet Well)	L402	04/30/19 15:00	Client	05/01/19 10:00
4277767	Filter Effluent	L402	04/30/19 08:25	Client	05/01/19 10:00
4277768	FTB	L402	04/30/19 08:26	Client	05/01/19 10:00

Report Summary

Detailed quantitative results are presented on the following pages. The results presented relate only to the samples provided for analysis.

We appreciate the opportunity to provide you with this analysis. If you have any questions concerning this report, please do not hesitate to call Pat Muff at (574) 233-4777.

Pat Muff ASM — 05/24/2019

Authorized Signature | Title | Date

Client Name: Cary/Apex WTP
Report #: 450558

Client Name: Cary/Apex WTP Report #: 450558

Sampling Point: Raw Water Intake (Wet Well) PWS ID: NC0392020

EEA Methods

Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
120226-60-0	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:22	4277766
757124-22-4	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:22	4277766
27619-97-2	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:22	4277766
39108-34-4	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:22	4277766
958445-44-8	ADONA	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:22	4277766
73606-19-6	F-53B Major	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:22	4277766
83329-89-9	F-53B Minor	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:22	4277766
13252-13-6	GenX	L402	---	5.0	< 5.0	ng/L	05/09/19 08:30	05/10/19 02:22	4277766
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:22	4277766
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:22	4277766
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:22	4277766
24448-09-7	N-methylperfluorooctane sulfonamidoethanol	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:22	4277766
375-73-5	Perfluorobutanesulfonic acid (PFBS)	L402	---	2.0	**2.4**	ng/L	05/09/19 08:30	05/10/19 02:22	4277766
375-22-4	Perfluorobutanoic acid (PFBA)	L402	---	5.0	**9.6**	ng/L	05/09/19 08:30	05/10/19 02:22	4277766
335-76-2	Perfluorodecanoic acid (PFDA)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:22	4277766
375-85-9	Perfluoroheptanoic acid (PFHpA)	L402	---	2.0	**4.9**	ng/L	05/09/19 08:30	05/10/19 02:22	4277766
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:22	4277766
307-24-4	Perfluorohexanoic acid (PFHxA)	L402	---	2.0	**6.6**	ng/L	05/09/19 08:30	05/10/19 02:22	4277766
307-55-1	Perfluorododecanoic acid (PFDoA)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:22	4277766
375-95-1	Perfluorononanoic acid (PFNA)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:22	4277766
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	L402	---	2.0	**9.3**	ng/L	05/09/19 08:30	05/10/19 02:22	4277766
2991-50-6	N-ethyl Perfluorooctanesulfonamidoacetic acid	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:22	4277766
2355-31-9	N-methyl Perfluorooctanesulfonamidoacetic acid	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:22	4277766
335-67-1	Perfluorooctanoic acid (PFOA)	L402	---	2.0	**6.1**	ng/L	05/09/19 08:30	05/10/19 02:22	4277766
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:22	4277766
2058-94-8	Perfluoroundecanoic acid (PFUnA)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:22	4277766
NA	Perfluorododecanesulfonic acid (PFDoS)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:22	4277766
335-77-3	Perfluorodecanesulfonic acid (PFDS)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:22	4277766
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:22	4277766
67905-19-5	Perfluorohexadecanoic acid (PFHxDA)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:22	4277766
151772-58-6	Perfluoro-2-methoxyethoxyacetic acid	L402	---	5.0	< 5.0	ng/L	05/09/19 08:30	05/10/19 02:22	4277766
801212-59-9	Perfluoro-4-isopropoxybutanoic acid	L402	---	5.0	< 5.0	ng/L	05/09/19 08:30	05/10/19 02:22	4277766
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMOBA)	L402	---	5.0	< 5.0	ng/L	05/09/19 08:30	05/10/19 02:22	4277766
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMOPrA)	L402	---	5.0	< 5.0	ng/L	05/09/19 08:30	05/10/19 02:22	4277766
68259-12-1	Perfluorononanesulfonic acid (PFNS)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:22	4277766
754-91-6	Perfluorooctane sulfonamide (PFOSA)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:22	4277766
2706-90-3	Perfluoropentanoic acid (PFPeA)	L402	---	2.0	**6.1**	ng/L	05/09/19 08:30	05/10/19 02:22	4277766
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:22	4277766
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:22	4277766

Client Name: Cary/Apex WTP Report #: 450558

Sampling Point: Filter Effluent PWS ID: NC0392020

EEA Methods									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
120226-60-0	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:48	4277767
757124-22-4	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:48	4277767
27619-97-2	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:48	4277767
39108-34-4	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:48	4277767
958445-44-8	ADONA	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:48	4277767
73606-19-6	F-53B Major	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:48	4277767
83329-89-9	F-53B Minor	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:48	4277767
13252-13-6	GenX	L402	---	5.0	< 5.0	ng/L	05/09/19 08:30	05/10/19 02:48	4277767
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:48	4277767
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:48	4277767
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:48	4277767
24448-09-7	N-methylperfluorooctane sulfonamidoethanol	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:48	4277767
375-73-5	Perfluorobutanesulfonic acid (PFBS)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:48	4277767
375-22-4	Perfluorobutanoic acid (PFBA)	L402	---	5.0	**7.1**	ng/L	05/09/19 08:30	05/10/19 02:48	4277767
335-76-2	Perfluorodecanoic acid (PFDA)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:48	4277767
375-85-9	Perfluoroheptanoic acid (PFHpA)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:48	4277767
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:48	4277767
307-24-4	Perfluorohexanoic acid (PFHxA)	L402	---	2.0	**4.2**	ng/L	05/09/19 08:30	05/10/19 02:48	4277767
307-55-1	Perfluorododecanoic acid (PFDoA)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:48	4277767
375-95-1	Perfluorononanoic acid (PFNA)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:48	4277767
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:48	4277767
2991-50-6	N-ethyl Perfluorooctanesulfonamidoacetic acid	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:48	4277767
2355-31-9	N-methyl Perfluorooctanesulfonamidoacetic acid	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:48	4277767
335-67-1	Perfluorooctanoic acid (PFOA)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:48	4277767
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:48	4277767
2058-94-8	Perfluoroundecanoic acid (PFUnA)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:48	4277767
NA	Perfluorododecanesulfonic acid (PFDoS)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:48	4277767
335-77-3	Perfluorodecanesulfonic acid (PFDS)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:48	4277767
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:48	4277767
67905-19-5	Perfluorohexadecanoic acid (PFHxDA)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:48	4277767
151772-58-6	Perfluoro-2-methoxyethoxyacetic acid	L402	---	5.0	< 5.0	ng/L	05/09/19 08:30	05/10/19 02:48	4277767
801212-59-9	Perfluoro-4-isopropoxybutanoic acid	L402	---	5.0	< 5.0	ng/L	05/09/19 08:30	05/10/19 02:48	4277767
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMOBA)	L402	---	5.0	< 5.0	ng/L	05/09/19 08:30	05/10/19 02:48	4277767
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMOPrA)	L402	---	5.0	< 5.0	ng/L	05/09/19 08:30	05/10/19 02:48	4277767
68259-12-1	Perfluorononanesulfonic acid (PFNS)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:48	4277767
754-91-6	Perfluorooctane sulfonamide (PFOSA)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:48	4277767
2706-90-3	Perfluoropentanoic acid (PFPeA)	L402	---	2.0	**4.8**	ng/L	05/09/19 08:30	05/10/19 02:48	4277767
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:48	4277767
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 02:48	4277767

Client Name: Cary/Apex WTP Report #: 450558

Sampling Point: FTB PWS ID: NC0392020

EEA Methods									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
120226-60-0	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 03:15	4277768
757124-22-4	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 03:15	4277768
27619-97-2	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 03:15	4277768
39108-34-4	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 03:15	4277768
958445-44-8	ADONA	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 03:15	4277768
73606-19-6	F-53B Major	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 03:15	4277768
83329-89-9	F-53B Minor	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 03:15	4277768
13252-13-6	GenX	L402	---	5.0	< 5.0	ng/L	05/09/19 08:30	05/10/19 03:15	4277768
4151-50-2	N-ethylperfluorooctane sulfonamide (NEtFOSA)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 03:15	4277768
1691-99-2	N-ethylperfluorooctane sulfonamidoethanol	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 03:15	4277768
31506-32-8	N-methylperfluorooctane sulfonamide (NMeFOSA)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 03:15	4277768
24448-09-7	N-methylperfluorooctane sulfonamidoethanol	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 03:15	4277768
375-73-5	Perfluorobutanesulfonic acid (PFBS)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 03:15	4277768
375-22-4	Perfluorobutanoic acid (PFBA)	L402	---	5.0	< 5.0	ng/L	05/09/19 08:30	05/10/19 03:15	4277768
335-76-2	Perfluorodecanoic acid (PFDA)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 03:15	4277768
375-85-9	Perfluoroheptanoic acid (PFHpA)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 03:15	4277768
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 03:15	4277768
307-24-4	Perfluorohexanoic acid (PFHxA)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 03:15	4277768
307-55-1	Perfluorododecanoic acid (PFDoA)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 03:15	4277768
375-95-1	Perfluorononanoic acid (PFNA)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 03:15	4277768
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 03:15	4277768
2991-50-6	N-ethyl Perfluorooctanesulfonamidoacetic acid	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 03:15	4277768
2355-31-9	N-methyl Perfluorooctanesulfonamidoacetic acid	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 03:15	4277768
335-67-1	Perfluorooctanoic acid (PFOA)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 03:15	4277768
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 03:15	4277768
2058-94-8	Perfluoroundecanoic acid (PFUnA)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 03:15	4277768
NA	Perfluorododecanesulfonic acid (PFDoS)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 03:15	4277768
335-77-3	Perfluorodecanesulfonic acid (PFDS)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 03:15	4277768
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 03:15	4277768
67905-19-5	Perfluorohexadecanoic acid (PFHxDA)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 03:15	4277768
151772-58-6	Perfluoro-2-methoxyethoxyacetic acid	L402	---	5.0	< 5.0	ng/L	05/09/19 08:30	05/10/19 03:15	4277768
801212-59-9	Perfluoro-4-isopropoxybutanoic acid	L402	---	5.0	< 5.0	ng/L	05/09/19 08:30	05/10/19 03:15	4277768
863090-89-5	Perfluoro-4-methoxybutanoic acid (PFMOBA)	L402	---	5.0	< 5.0	ng/L	05/09/19 08:30	05/10/19 03:15	4277768
377-73-1	Perfluoro-3-methoxypropanoic acid (PFMOPrA)	L402	---	5.0	< 5.0	ng/L	05/09/19 08:30	05/10/19 03:15	4277768
68259-12-1	Perfluorononanesulfonic acid (PFNS)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 03:15	4277768
754-91-6	Perfluorooctane sulfonamide (PFOSA)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 03:15	4277768
2706-90-3	Perfluoropentanoic acid (PFPeA)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 03:15	4277768
2706-91-4	Perfluoropentanesulfonic acid (PFPeS)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 03:15	4277768
376-06-7	Perfluorotetradecanoic acid (PFTeDA)	L402	---	2.0	< 2.0	ng/L	05/09/19 08:30	05/10/19 03:15	4277768

† EEA has demonstrated it can achieve these report limits in reagent water, but can not document them in all sample matrices.

Reg Limit Type:	MCL	SMCL	AL
Symbol:	*	^	!

Lab Definitions

Continuing Calibration Check Standard (CCC) / Continuing Calibration Verification (CCV) / Initial Calibration Verification Standard (ICV) / Initial Performance Check (IPC) - is a standard containing one or more of the target analytes that is prepared from the same standards used to calibrate the instrument. This standard is used to verify the calibration curve at the beginning of each analytical sequence, and may also be analyzed throughout and at the end of the sequence. The concentration of continuing standards may be varied, when prescribed by the reference method, so that the range of the calibration curve is verified on a regular basis. CCL, CCM, and CCH are the CCC standards at low, mid, and high concentration levels, respectively.

Internal Standards (IS) - are pure compounds with properties similar to the analytes of interest, which are added to field samples or extracts, calibration standards, and quality control standards at a known concentration. They are used to measure the relative responses of the analytes of interest and surrogates in the sample, calibration standard or quality control standard.

Laboratory Duplicate (LD) - is a field sample aliquot taken from the same sample container in the laboratory and analyzed separately using identical procedures. Analysis of laboratory duplicates provides a measure of the precision of the laboratory procedures.

Laboratory Fortified Blank (LFB) / Laboratory Control Sample (LCS) - is an aliquot of reagent water to which known concentrations of the analytes of interest are added. The LFB is analyzed exactly the same as the field samples. LFBs are used to determine whether the method is in control. FBL, FBM, and FBH are the LFB samples at low, mid, and high concentration levels, respectively.

Laboratory Method Blank (LMB) / Laboratory Reagent Blank (LRB) - is a sample of reagent water included in the sample batch analyzed in the same way as the associated field samples. The LMB is used to determine if method analytes or other background contamination have been introduced during the preparation or analytical procedure. The LMB is analyzed exactly the same as the field samples.

Laboratory Trip Blank (LTB) / Field Reagent Blank (FRB) - is a sample of laboratory reagent water placed in a sample container in the laboratory and treated as a field sample, including storage, preservation, and all analytical procedures. The FRB/LTB container follows the collection bottles to and from the collection site, but the FRB/LTB is not opened at any time during the trip. The FRB/LTB is primarily a travel blank used to verify that the samples were not contaminated during shipment.

Matrix Spike Duplicate Sample (MSD) / Laboratory Fortified Sample Matrix Duplicate (LFSMD) - is a sample aliquot taken from the same field sample source as the Matrix Spike Sample to which known quantities of the analytes of interest are added in the laboratory. The MSD is analyzed exactly the same as the field samples. Analysis of the MSD provides a measure of the precision of the laboratory procedures in a specific matrix. SDL, SDM, and SDH / LFSMDL, LFSMDM, and LFSMDH are the MSD or LFSMD at low, mid, and high concentration levels, respectively.

Matrix Spike Sample (MS) / Laboratory Fortified Sample Matrix (LFSM) - is a sample aliquot taken from field sample source to which known quantities of the analytes of interest are added in the laboratory. The MS is analyzed exactly the same as the field samples. The purpose is to demonstrate recovery of the analytes from a sample matrix to determine if the specific matrix contributes bias to the analytical results. MSL, MSM, and MSH / LFSML, LFSMM, and LFSMH are the MS or LFSM at low, mid, and high concentration levels, respectively.

Quality Control Standard (QCS) / Second Source Calibration Verification (SSCV) - is a solution containing known concentrations of the analytes of interest prepared from a source different from the source of the calibration standards. The solution is obtained from a second manufacturer or lot if the lot can be demonstrated by the manufacturer as prepared independently from other lots. The QCS sample is analyzed using the same procedures as field samples. The QCS is used as a check on the calibration standards used in the method on a routine basis.

Reporting Limit Check (RLC) / Initial Calibration Check Standard (ICCS) - is a procedural standard that is analyzed each day to evaluate instrument performance at or below the minimum reporting limit (MRL).

Surrogate Standard (SS) / Surrogate Analyte (SUR) - is a pure compound with properties similar to the analytes of interest, which is highly unlikely to be found in any field sample, that is added to the field samples, calibration standards, blanks and quality control standards before sample preparation. The SS is used to evaluate the efficiency of the sample preparation process.

eurofins | Eaton Analytical

110 S. Hill Street
South Bend, IN 46617
T: 1.800.332.4345
F: 1.574.233.8207

Order # 369500
Batch # 450558

www.eatonanalytical.com

CHAIN OF CUSTODY RECORD

Shaded area for EEA use only

REPORT TO:	SAMPLER (Signature)	PWS ID #	STATE (sample origin)	PROJECT NAME	PO#
Rachel Monschien 1400 Wimberly Rd Apex NC 27523	Erin L Lee	NC0392020	NC	PFAS'S	
TOWN OF CARY FINANCE: A.P P.O. BOX 8005 CARY, NC 27512-8005	COMPLIANCE MONITORING: Yes — No: X	POPULATION SERVED: >100,000	SOURCE WATER: JORDAN LAKE		

	LAB Number	COLLECTION DATE	COLLECTION TIME	AM	PM	SAMPLING SITE	TEST NAME	SAMPLE REMARKS	CHLORINATED YES	CHLORINATED NO	# OF CONTAINERS	MATRIX CODE	TURNAROUND TIME
1	42777666	4-30-19	2:00	X		RAW WATER INTAKE (WET WELL)	0502019 KD 537 L402	PHV 0502019 KD		X	2	DW	SW
2	767	↓	8:25	X		FILTER EFFLUENT		PHV	X		2	DW	SW
3	768		0826			FTB		PHV					
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													

RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED BY:(Signature)	DATE	TIME
Erin L Lee	4-30-19	8:35 AM PM			AM PM
RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED BY:(Signature)	DATE	TIME
		AM PM			AM PM
RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED FOR LABORATORY BY:	DATE	TIME
		AM PM	K Dyne	5-1-19	1000 AM PM

LAB RESERVES THE RIGHT TO RETURN UNUSED PORTIONS OF NON-AQUEOUS SAMPLES TO CLIENT

LAB COMMENTS

CONDITIONS UPON RECEIPT (check one):
X Iced: Wet/Blue ___ Ambient 1.2 °C Upon Receipt ___ N/A

MATRIX CODES:

DW-DRINKING WATER
RW-REAGENT WATER
GW-GROUND WATER
EW-EXPOSURE WATER
SW-SURFACE WATER
PW-POOL WATER
WW-WASTE WATER

TURN-AROUND TIME (TAT) - SURCHARGES

SW = Standard Written: (15 working days)	0%	IV* = Immediate Verbal: (3 working days)	100%
RV* = Rush Verbal: (5 working days)	50%	IW* =Immediate Written: (3 working days)	125%
RW* = Rush Written: (5 working days)	75%	SP* = Weekend, Holiday	CALL
		STAT* = Less than 48 hours	CALL

*** Please call, expedited service not available for all testing**

Samples received unannounced with less than 48 hours holding time remaining may be subject to additional charges.